## WHAT IS CLAIMED IS:

1	<ol> <li>A software test system for testing target software which is</li> </ol>
2	executed in a computer, the software test system comprising:
3	a function library file that functionizes and stores commands for
4	executing objects of the target software as functions;
5	an object file that sequentially records keywords, each of which
6	indicates an object of the target software, in an order in which it is
7	desired to test the target software, each of the keywords distinguished
8	by an object identifier; and
9	an execution program that sequentially reads keywords from the
10	object file, recognizes an object to execute, calls a function for
11	executing the recognized object from the function library file, and
12	executes the function.
1	2. A software test method for testing target software in a software
2	test system which is executed in a computer and has a function library file
3	obtained by generalizing commands of the target software into functions, the
4	software test method comprising the steps of:
5	(a) generating an object file wherein keywords are sequentially
6	recorded in an order in which it is desired to test the target software,
7	each keyword indicating an object of the target software and being
8	distinguished by a respective object identifier;
9	(b) sequentially reading the keywords recorded in the object file
10	and calling functions from the function library file for executing objects
11	corresponding to the read keywords;
12	(c) reading one or more successive keywords following each
13	keyword read in the step (b) as a predetermined number of function
14	factors needed for executing each function called in the step (b), and

executing each function called in the step (b); and

6

7

16	(d) continuing the test by returning to the step (b) if at least one
17	keyword which is not executed exists in the object file, and otherwise
18	ending the test.
1	<ol> <li>A computer readable recording medium having embodied</li> </ol>
2	thereon a software test program for executing a software test method for
3	testing target software in a software test system, which software test method
4	is executed in a computer and comprises a function library file for
5	functionizing commands of target software generalized into functions and
6	further comprises an object file for recording keywords in an order in which it
7	is desired to test the target software, each keyword indicating an object of the
8	target software, each keyword distinguished by an object identifier, wherein
9	the software test method comprises the steps of:
10	(a) sequentially reading keywords recorded in the object file and
11	calling functions for executing objects corresponding to the read
12	keywords from the function library file;
13	(b) reading one or more successive keywords following each
14	keyword read in the step (a) as a predetermined number of function
15	factors needed to execute each function called in the step (a), and
16	executing each function called in the step (a); and
17	(c) continuing the test by returning to the step (a) if keywords
18	which are not executed exist in the object file, and otherwise ending
19	the test.
1	4. A software test system for testing target software which is
2	executed in a computer, the software test system comprising:
3	a function library file that functionizes and stores commands fo
4	executing objects of the target software as functions;
	• • • • • • • • • • • • • • • • • • •

to respective objects of the target software and for storing factor values

needed to execute the functions, wherein the keywords and the factor

an object management unit for storing keywords corresponding

8	values are sequentially input in an order in which it is desired to test
9	the target software; and
10	an execution program that sequentially reads the keywords and
11	factor values from the object management unit, that calls the functions
12	corresponding to the factor values to execute the objects
13	corresponding to the keywords, and that executes the called functions
14	using the factor values.
1	5. The software test system of claim 4, wherein the object
2	management unit comprises:
3	a user interface for displaying an input window so that the
4	keywords and factors values are sequentially input in a testing order;
5	and
6	an object database for sequentially storing the keywords and
7	factor values input through the user interface.
1	6. A software test system for testing target software which is
2	executed in a computer, the software test system comprising:
3	a function library file that functionizes and stores commands for
4	executing objects of the target software as functions;
5	a script analyzing unit that extracts keywords and factor values
6	in an order in which the target software is tested from scripts generate
7	when a first test is performed;
8	an object management unit that stores keywords corresponding
9	to respective objects of the target software and that stores factor
10	values needed for executing the functions, wherein the keywords and
11	the factor values are sequentially input after being extracted by the
12	script analyzing unit; and
13	an execution program that sequentially reads the keywords and
14	the factor values from the object management unit, calls the functions

corresponding to the factor values for executing the objects

corresponding to the keywords, and executes the called functions using the factor values.

- 7. A software test method for testing target software in a software test system which is executed in a computer and which has a function library file obtained by generalizing commands of the target software to test into functions, the software test method comprising the steps of:
  - (a) extracting keywords corresponding to respective objects of the target software and factor values for executing the functions from a test execution script file, which is generated when the target software is executed in a predetermined testing order, and building an object database by sequentially storing the extracted keywords and factor values in a testing order;
  - (b) sequentially reading the keywords and factor values from the object database and calling functions corresponding to the factor values for executing objects corresponding to the read keywords;
  - (c) executing the called function using the factor values read in the step (b); and
  - (d) continuing the test by returning to the step (b) if at least one keyword which is not executed exists in the object database, and otherwise ending the test.
- 8. The software test method of claim 7, wherein the step (a) further comprises the sub-steps of:
  - (a1) generating the test execution script file by executing the target software in an order in which it is desired to test the target software;
  - (a2) storing the keywords of the generated test execution script file in arrays having a predetermined memory space and providing an address for accessing each of the arrays;

9	(a3) sequentially searching the arrays to determine whether or
10	not a syntax characterizing a predefined function exists, and if such a
11	syntax does not exist, ending the test;
12	(a4) if a word corresponding to the syntax in the step (a3) exists,
13	extracting the factor values located within a predetermined distance
14	from the word by searching arrays in front of and behind the word and
15	providing a keyword needed for calling the corresponding function;
16	(a5) temporarily storing the keyword, factor values, and the
17	address of the word corresponding to the syntax in rows;
18	(a6) sorting in rows the keywords, factor values, and the
19	address of the syntax stored in the step (a5) according to the address
20	of the syntax; and
21	(a7) storing the keywords and factor values in rows in the object
22	database in the order as sorted in the step (a5).
	9. A computer readable recording medium having embodied
1	
2	thereon a software test program for a method for automatically building an
3	object database in a software test system, which software test program is
4	executed in a computer and comprises a function library file for functionizing
5	commands of target software into functions, the object database storing
6	keywords and factor values in an order in which it is desired to test the target
7	software, wherein the method for automatically building an object database

(a1) generating a test execution scripts by executing the target software in an order in which it is desired to test the target software;

comprises the steps of:

- (a2) storing words of the generated test execution scripts in arrays having a predetermined memory space, and providing an address for accessing each of the arrays;
- (a3) sequentially searching the arrays to determine whether or not a syntax characterizing a predefined function exists, and if such a syntax does not exist, ending the test;

17	(a4) if a word corresponding to the syntax in the step (a3) exists
18	extracting the factor values located within a predetermined distance
19	from the word by searching arrays in front of and behind the word, and
20	finding a keyword needed for calling the corresponding function;
21	(a5) temporarily storing the keywords, factor values, and the
22	address of the word corresponding to the syntax in rows;
23	(a6) sorting in rows the keywords, factor values, and the

(a6) sorting in rows the keywords, factor values, and the address of the syntax stored in rows in the step (a5) according to the address of the syntax; and

(a7) storing the keywords and factor values in rows in the object database in the order as sorted in the step (a6).